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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	"20020080156"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/08 14:10
L2	1	1 and regist$7	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/08 14:30
L3	2	1 and automatical$4 with detect$5	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/08 14:31
L4	2	1 and (automatical$4 without) same (monitoring analy$4 detect$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/08 15:02
L5	2	1 and (automatical$4 auto autonomous automatic dynamic$5 without)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/08 15:05
L6	2	1 and (automatical$4 auto autonomous automatic dynamic$5 without) with (monitor$4 determin$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/08 15:50
L7	2761	(event and (monitoring detecting analy$5 detemin$4)).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/08 15:51
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L9	68	8 and event same (match$4 occurrence) same (satisfy$4 interest$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/08 15:52
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L11	1	10 and (provid$4 supply$5 present$4 furnish$4) with (information value) same (satisf$4 interest$4) same (client user)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/08 15:54
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L13	2744	715/738,740,744;706/45,14,15,60,61.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/08 16:00
L14	145	13 and (provid$4 supply$5 present$4 furnish$4) with (information data value) same (satisf$4 interest$4) same (client user)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/08 16:00
L15	23	14 and event with (monitor$4 detect$4 analy$4 detemin$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/08 16:01

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1 A framework for formalizing inconsistencies and deviations in human-centered systems

Gianpaolo Cugola, Elisabetta Di Nitto, Alfonso Fuggetta, Carlo Ghezzi

July 1996 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 5 Issue 3

Publisher: ACM Press

Full text available: 🔲 pdf(464.14 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

Most modern business activities are carried out by a combination of computerized tools and human agents. Typical examples are engineering design activities, office procedures, and banking systems. All these human-centered systems are characterized by the interaction among people, and between people and computerized tools. This interaction defines a process, whose effectiveness is essential to ensure the quality of the delivered products and/or services. To support these sys ...

Keywords: business processes, deviation, formal model, human-centered systems, inconsistency, software processes

2 Security analysis of SITAR intrusion tolerance system

Dazhi Wang, Bharat B. Madan, Kishor S. Trivedi

October 2003 **Proceedings of the 2003 ACM workshop on Survivable and self-regenerative systems: in association with 10th ACM Conference on Computer and Communications Security**

Publisher: ACM Press

Full text available: 🔲 pdf(1.32 MB)   Additional Information: full citation, abstract, references

Security is an important QoS attribute for characterizing intrusion tolerant computing systems. Frequently however, the security of computing systems is assessed in a qualitative manner based on the presence and absence of certain functional characteristics and security mechanisms. Such a characterization is not only ad hoc, it also lacks rigorous scientific and systematic basis. Some recent research efforts have emphasized the need for a quantitative assessment of security attributes for int ...

3 State trees as structured finite state machines for user interfaces

James Rumbaugh

January 1988 **Proceedings of the 1st annual ACM SIGGRAPH symposium on User Interface Software**

Publisher: ACM Press

Full text available: 🔲 pdf(1.77 MB)   Additional Information: full citation, abstract, references, index terms

State trees are a technique for specifying the control of an interactive system by organizing states into trees to define shared structure and behavior. The tree structure permits inheritance of state information, event traps, and entry and exit actions from states to substates, thereby sharing information and reducing the amount of code to be written. An interface can be restructured by moving entire subtrees as modules. State trees separate the recognition of commands from their implement ...

4 Intrusion detection: Specification-based anomaly detection: a new approach for detecting network intrusions

R. Sekar, A. Gupta, J. Frullo, T. Shanbhag, A. Tiwari, H. Yang, S. Zhou

November 2002 **Proceedings of the 9th ACM conference on Computer and communications security**

Publisher: ACM Press

Full text available: pdf(127.45 KB)   Additional Information: full citation, abstract, references, citings, index terms

Unlike signature or misuse based intrusion detection techniques, anomaly detection is capable of detecting novel attacks. However, the use of anomaly detection in practice is hampered by a high rate of false alarms. Specification-based techniques have been shown to produce a low rate of false alarms, but are not as effective as anomaly detection in detecting novel attacks, especially when it comes to network probing and denial-of-service attacks. This paper presents a new approach that combines ...

Keywords: anomaly detection, intrusion detection, network monitoring

5 Problems and Deficiencies of UML as a Requirements Specification Language

Martin Glinz

November 2000 **Proceedings of the 10th International Workshop on Software Specification and Design**

Publisher: IEEE Computer Society

Full text available: pdf(179.07 KB)   Additional Information: full citation, abstract, citings
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In recent years, UML has become a standard language for modeling software requirements and design. In this paper, we investigate the suitability of UML as a semiformal requirements specification language. Using the Teleservices and Remote Medical Care (TRMCS) case study as an example, we identify and demonstrate various problems and deficiencies of UML, particularly concerning use case models and system decomposition. We also investigate whether and how the deficiencies can be overcome and how p ...

Keywords: UML, requirements specification, model, use case, decomposition

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